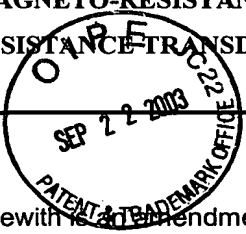
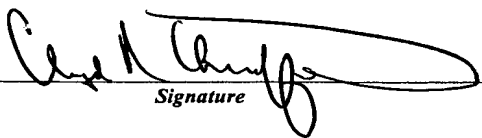


AMENDMENT TRANSMITTAL LETTER (Large Entity)			Docket No. 02230028AA		
Applicant(s):					
Serial No. 09/916,529	Filing Date July 30, 2001	Examiner W. Klimowicz	Group Art Unit 2652		
Invention: MAGNETO-RESISTANCE EFFECT ELEMENT, MAGNETO-RESISTANCE EFFECT HEAD, MAGNETO-RESISTANCE TRANSDUCER SYSTEM, AND MAGNETIC STORAGE SYSTEM					
			RECEIVED SEP 24 2003 Technology Center 2600		
TO THE COMMISSIONER FOR PATENTS:					
Transmitted herewith is an amendment in the above-identified application.					
The fee has been calculated and is transmitted as shown below.					
CLAIMS AS AMENDED					
	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST # PREV. PAID FOR	NUMBER EXTRA CLAIMS PRESENT	RATE	ADDITIONAL FEE
TOTAL CLAIMS	8 -	20 =	0 x	\$18.00	\$0.00
INDEP. CLAIMS	2 -	3 =	0 x	\$84.00	\$0.00
Multiple Dependent Claims (check if applicable) <input type="checkbox"/>					\$0.00
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT					\$0.00
<input checked="" type="checkbox"/> No additional fee is required for amendment. <input type="checkbox"/> Please charge Deposit Account No. _____ in the amount of _____ <input type="checkbox"/> A check in the amount of _____ to cover the filing fee is enclosed. <input checked="" type="checkbox"/> The Director is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 50-2041 <input checked="" type="checkbox"/> Any additional filing fees required under 37 C.F.R. 1.16. <input type="checkbox"/> Any patent application processing fees under 37 CFR 1.17.					
 Signature			Dated: 9/2/2003		
Clyde R Christofferson Registration No. 34,138 Whitham, Curtis & Christofferson, PC 11491 Sunset Hills Road, Suite 340 Reston, Virginia 20190 US Customer Number 30743			I certify that this document and fee is being deposited on _____ with the U.S. Postal Service as first class mail under 37 C.F.R. 1.8 and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. <div style="border: 1px solid black; padding: 5px; text-align: center;"> Signature of Person Mailing Correspondence </div> <div style="border: 1px solid black; padding: 5px; text-align: center;"> Typed or Printed Name of Person Mailing Correspondence </div>		
CC:					



01FN046US
Amendment dated 09/22/2003

09/916,529
Reply to office action mailed 06/23/2003

02230028aa

#16/B
(N.E.)
MG
10/29/03

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of
Kazuhiko Hayashi, et al.

Serial No. 09/916,529

Group Art Unit 2652

Filed July 30, 2001

Examiner W. Klimowicz

For MAGNETO-RESISTANCE EFFECT ELEMENT, MAGNETO-
RESISTANCE EFFECT HEAD, MAGNETO-RESISTANCE
TRANSDUCER SYSTEM, AND MAGNETIC STORAGE SYSTEM

Mail Stop Non-Fee Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

RECEIVED

SEP 24 2003

Technology Center 2600

AMENDMENT UNDER 37 C.F.R. §1.111

Sir:

In response to the Office Action mailed June 23, 2003, please amend the
above-identified patent application as follows:

Amendments to the Specification begin on page 2 of this paper.

Amendments to the Claims are indicated by the notation "currently amended" in the
listing of claims beginning on page 40 of this paper.

Remarks begin on page 43 of this paper.